

HYDRA 7in. x 32 lb/ft HC-L80 Flush Joint



HYDRA

Pipe Body

Nominal OD	7.000	inches
Nominal Weight	32.00	lb/ft
Wall Thickness	0.453	inches
Plain End Weight	31.70	lb/ft
Standard Drift	6.000	inches
Nominal ID	6.094	inches
Grade	HC-L80	
Min Yield	80,000	lbf/in ²
Min Tensile	95,000	lbf/in ²
Critical Section Area	9.317	in ²
Pipe Body Yield Strength	745	kips
Min Internal Yield Pressure	9,060	psi
Collapse Pressure	9,890	psi

Connection

Connection OD	7.000	inches
Make Up Loss	4.320	inches
Critical Section Area	5.590	in ²
Internal Pressure Rating	7,250	psi
External Pressure Rating	9,890	psi
Tension Efficiency	60%	
Connection Strength	447	kips
Compression Efficiency	447	kips
Uniaxial Bend Rating	33	° / 100 ft
Reference Depth	9,401	Ft.
Optimal Make Up Torque	12,091	ft-lbs
Min	9,600	ft-lbs
Max	14,582	ft-lbs

v1.0

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The performance properties in these data tables are calculated per API 5C3. Calculations are based on nominal wall thickness. Loads do not reflect a design safety factor for walls thinner than nominal or other defects. Reference Depth = Connection Strength / (PE Wt./Ft)*(1.5). Reference Depth includes a 1.5 design factor. However, it does not consider bending, temperature, buoyancy or other load considerations.

Torque Data Sheet - HYDRA

HYDRA 7in. x 32 lb/ft HC-L80 Flush Joint

Min Make Up Torque	9,600	ft-lbs	Nom Shoulder Torque	1,180	ft-lbs
Max Make Up Torque	14,582	ft-lbs	Max Operating	22,691	ft-lbs
Optimum Torque	12,091	ft-lbs	Yield	28,364	ft-lbs

